

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04B1/707

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ, INSPEC

### C. DOCUMENTS CONSIDERED TO BE RELEVANT

<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.	<input checked="" type="checkbox"/> Patent family members are listed in annex.
<p>* Special categories of cited documents :</p> <p>"A" document defining the general state of the art which is not considered to be of particular relevance</p> <p>"E" earlier document but published on or after the international filing date</p> <p>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>"O" document referring to an oral disclosure, use, exhibition or other means</p> <p>"P" document published prior to the international filing date but later than the priority date claimed</p>	<p>"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</p> <p>*A* document member of the same patent family</p>
Date of the actual completion of the international search  <b>31 July 2003</b>	Date of mailing of the international search report  <b>13/08/2003</b>
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax (+31-70) 340-3016	Authorized officer  <b>Ó Donnabháin, E</b>

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# INTERNATIONAL SEARCH REPORT

International Application No.

PCT/EP 02/12814

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>WILDE A: "Delay-locked loop with generalized detector characteristic"  1996 IEEE 4TH INTERNATIONAL SYMPOSIUM ON SPREAD SPECTRUM TECHNIQUES AND APPLICATIONS PROCEEDINGS. TECHNICAL PROGRAM. (CAT. NO.96TH8210), PROCEEDINGS OF ISSSTA'95 INTERNATIONAL SYMPOSIUM ON SPREAD SPECTRUM TECHNIQUES AND APPLICATIONS, MAINZ, GERMANY, ,  pages 450-454 vol.1, XP002249720  1996, New York, NY, USA, IEEE, USA  ISBN: 0-7803-3567-8  page 450 -page 451; figures 1,2</p>	1-8

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

PCT/EP 02/12814

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 6201828	B1	13-03-2001	AU AU	759560 B2 5932799 A
				17-04-2003 18-05-2000
US 5832023	A	03-11-1998	FI	943776 A
				17-02-1996

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